

# PATENT SPECIFICATION

DRAWINGS ATTACHED

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## COMPLETE SPECIFICATION

### Coat-Hanger

I, GIANNETTO BOLOGNESI, an Italian citizen, residing at Avenue du Mail 17, Geneva, Switzerland, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The present invention has for its object a coat-hanger comprising two arms forming an angle between them and provided with a suspension member. Said coat-hanger is characterized by the fact that its two arms have an adjustable length and are hinged one on another, a clamping device being provided to fix the angle formed upon adjustment of the two arms.

The accompanying drawing shows schematically and by way of example two embodiments of the coat-hanger subject of the invention.

Fig. 1 is a view of the first embodiment.

Fig. 2 is a partial view of one of the arms.

Fig. 3 is a plan view.

Fig. 4 is a view of the second embodiment.

Fig. 5 is a partial view of one of the arms.

Fig. 6 is a sectional view along the line VI—VI of Fig. 4.

According to Figs. 1 to 3 of the accompanying drawings, the coat-hanger is constituted by two arms hinged one on another by one of their ends. Each arm having an adjustable length is constituted by a median part 1 having a width  $a$  and one end of which is formed as a circular disc 2, having a diameter  $b$  larger than the width  $a$ . Said disc has on its internal face a radial toothing formed by projecting portions 3 and grooves 4. The other end of said median part carries a prolongation 5 which has in cross section the shape of a U capping the end of the part 1. Said prolongation carries a pin 6 which slides in a slot 7 provided in the median part, as well as a bolt 8 with cup-head 9 the shaft of which slides likewise in the slot 7 and the threaded end of which carries a wing-nut 10.

The two arms 1 are assembled by a cup-headed bolt 11 whose shaft goes through

bore 12 provided in the centre of their disc-shaped extremities and whose threaded end carries a wing-nut 13.

Each prolongation 5 carries a screw-ring 14 to which is attached a clip-hook 15 which carries one of the ends of a rod 16 provided at each of its ends with a fastener 17.

The working of the described coat-hanger is as follows:

The user intending to hang a coat or an overcoat adjusts firstly the length of the arms by making the prolongations 5 slide along the median parts 1, then by fixing said prolongations in the chosen position by screwing the wing-nuts 10.

Having completed this operation, the user adjusts the angle formed by the two arms of the coat-hanger, then fixes said arms in the desired position by screwing the wing-nut 13. It is to be noticed that the radial toothings of the two median parts are exactly similar, so that the projecting portions of one part engage the grooves of the other part. As shown in the drawing, said toothing is suppressed on a sector of 30 to 40°, so as to let pass a connecting member 18 hinged on the shaft of the bolt 11 and the end of which is fitted with a gusset 19 in which is pivoted the stem 20 of the suspension member.

Thus, the user can adjust the length of the coat-hanger arms as well as the angle formed by said arms to the shoulder broadness as also to the shoulder form of the coat or of the overcoat to be hung.

As shown in the drawing the bearing face  $c$  of each arm is, in side view (Fig. 1), approximately rectilinear so that the garment may bear on the whole length of said bearing face. Thus, the user has the possibility of entirely avoiding the wrinkles which are formed in the garment by the use of coat-hangers of known types and in particular the horizontal wrinkle passing under the collar of the garment and due to the fact that the garment bears on the coat-hanger only by the collar and by the shoulders. The trials made with the described coat-hanger have permitted to as-

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certain that by adjusting the two arms to the shape of the garment, said garment is hanging normally without formation of any horizontal wrinkle. Said particularity is especially appreciable when it is a question of putting away and preserving dress suits which often remain hung for long periods without being put on.

Figs. 4 to 6 show a coat-hanger of the same type but designed more especially in view of its manufacture in a mouldable material having a high coefficient of friction. The disc 2 carries no radial toothing but only a ring 21 open on a sector of 30 to 40° to let pass the connecting member 18. A cup-headed rivet 22 forms a hinging shaft and hold both discs 2 closed together so that the two arms may be set into the desired position with respect one to another, but that the friction of the two rings 21 one on another proves sufficient to oppose an angular displacement of the arms with respect one to another under the only action of the weight of a garment put on the coat-hanger.

Each prolongation 5 has in cross-section the shape of a U one of the wings of which has a length approximately equal to the width  $a$  of the median part while the second wing has a length  $d$  just sufficient to guide and to maintain said prolongation along the median part 1. Each prolongation 5 carries further two bosses 23 engaged in the slot 7 of the part 1 and co-operates in guiding the prolongation 5.

The upper bearing face of the part 1 has a toothing 24 with which co-operates elastically a toothing 25 provided in the internal face 26 of the U formed by the prolongation 5. Thus the user has the possibility of making each

prolongation slide along the corresponding part 1, the teeth 25 jumping elastically from teeth to teeth along the toothing 24.

Two embodiments of the coat-hanger subject of the invention have been described here by way of non limiting example and it goes without saying that multiple variants may be foreseen without departing from the claimed protection.

#### WHAT I CLAIM IS:—

1) A coat-hanger comprising two arms forming an angle between them and provided with a suspension member, characterized by the fact that its two arms have an adjustable length and are hinged one on another, a clamping device being provided to fix the angle formed upon adjustment of the two arms.

2) A coat-hanger according to claim 1, characterized by the fact that the upper face of each arm, which constitutes the bearing face for the garment on the coat-hanger, is in side view approximately rectilinear.

3) A coat-hanger according to claims 1 and 2, characterized by the fact that each arm is constituted by a median part, one of the ends of which has the general shape of a disc, and by a prolongation sliding on the other end of said median part.

4) A coat-hanger according to claims 1 to 3, characterized by the fact that it comprises a device locking in position each prolongation on the corresponding median part.

5) A coat-hanger substantially as described with reference to and as shown in the accompanying drawing.

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